Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently Amended) A device for providing treatment of an auditory system disorder comprising:

a computer readable medium for storing a treatment signal;

an output for outputting the signal for treating the auditory system disorder;

a processor configured to reset the volume of the treatment signal to a minimum non-zero value between each treatment session; and

a volume adjusting feature that is configured to allow the patient to adjust ~~requires a patient to reset~~ the volume of the treatment signal at the beginning of each treatment session.

2. (Original) The device as claimed in claim 1, wherein the auditory system disorder is tinnitus and the treatment signal is a highly dynamic masking signal whose spectral content and intensity constantly varies over time.

3. (Original) The device as claimed in claim 1, wherein the auditory system disorder includes conditions of sound loudness discomfort such as hyperacusis.

4. (Original) The device as claimed in claim 1, further comprising a compliance monitoring device for allowing a patient to monitor how much time the patient has used the device during a fixed time period.

5. (Original) The device as claimed in claim 1, further comprising a battery for supplying power to the device with sufficient battery life to allow extended use without recharging.

6. (Original) The device as claimed in claim 5, wherein the battery has a life approximately equivalent to at least one week of treatment.

7. (Original) The device as claimed in claim 1, wherein the computer readable medium has a storage capacity sufficient to provide a choice, range, or diversity of treatment signals.

8. (Original) The device as claimed in claim 7, wherein the computer readable medium storage capacity is approximately equivalent to 4 hours of the treatment signal.

9. (Original) The device as claimed in claim 1, further comprising a safety locking function for preventing a patient from using the device if the computer readable medium does not contain the patient's treatment signal.

10. (Previously Presented) The device as claimed in claim 1, further comprising coding of the treatment signal, for example by encryption, so as to prevent use of a corrupted or otherwise modified audio signal.

11. (Previously Presented) The device as claimed in claim 1, further comprising a patient identification code in order to allow correct identification of the patient's own device.

12. (Original) The device as claimed in claim 1, further comprising a data downloading function for downloading logged information, wherein the logged information contains information relating to the patient's use of the device.

13. (Original) The device as claimed in claim 12, wherein the data downloading function is performed by at least one of a wired interface, an infrared interface, or a wireless interface.

14. (Previously Presented) A device for providing treatment of an auditory system disorder comprising:

a computer readable medium for storing a treatment signal;

an output for outputting the signal for treating the auditory system disorder;

a volume adjusting feature; and

a safety locking function for preventing a patient from using the device if the computer readable medium does not contain the patient's treatment signal.

15. (Original) The device as claimed in claim 14, wherein the auditory system disorder is tinnitus and the treatment signal is a highly dynamic masking signal whose spectral content and intensity constantly varies over time.

16. (Original) The device as claimed in claim 14, wherein the auditory system disorder includes conditions of sound loudness discomfort such as hyperacusis.

17. (Cancelled)

18. (Original) The device as claimed in claim 14, further comprising a battery for supplying power to the device with sufficient battery life to allow extended use without recharging.

19. (Original) The device as claimed in claim 18, wherein the battery has a life approximately equivalent to at least one week of treatment.

20. (Original) The device as claimed in claim 14, wherein the computer readable medium has a storage capacity sufficient to provide a choice, range, or diversity of treatment signals.

21. (Original) The device as claimed in claim 20, wherein the computer readable medium storage capacity is approximately equivalent to 4 hours of the treatment signal.

22. (Previously Presented) The device as claimed in claim 14, further comprising a compliance monitoring device for allowing a patient to monitor how much time the patient has used the device during a fixed time period.

23. (Previously Presented) The device as claimed in claim 14, further comprising coding of the treatment signal, for example by encryption, so as to prevent use of a corrupted or otherwise modified audio signal.

24. (Previously Presented) The device as claimed in claim 14, further comprising a patient identification code in order to allow correct identification of the patient's own device.

25. (Original) The device as claimed in claim 14, further comprising a data downloading function for downloading logged information, wherein the logged information contains information relating to the patient's use of the device.

26. (Original) The device as claimed in claim 25, wherein the data downloading function is performed by at least one of a wired interface, an infrared interface, or a wireless interface.

27. (Currently Amended) A device for providing treatment of tinnitus comprising:

a signal filtering means configured to generate a treatment signal with peaks and troughs by spectrally modifying at least a portion of an input signal to account for the basic audiometric configuration of a person;

an output for outputting the signal for treating the tinnitus;

a processor configured to reset the volume of the treatment signal to a minimum non-zero value between each treatment session; and

a volume adjusting feature that is configured to allow the patient to adjust ~~requires a patient to reset~~ the volume of the treatment signal at the beginning of each treatment session.

28. (Original) The device as claimed in claim 27, whereby, when the treatment signal is heard by the person at a comfortable listening level, during the peaks, the tinnitus is substantially completely obscured and the person perceives significant masking of the tinnitus, and during troughs, the person may occasionally perceive the tinnitus.

29. (Original) The tinnitus treatment device as claimed in claim 27, wherein the signal filtering means accounts for a person suffering from conditions of sound loudness discomfort such as hyperacusis.

30. (Original) The device as claimed in claim 27, further comprising a compliance monitoring device for allowing a patient to monitor how much time the patient has used the device during a fixed time period.

31. (Original) The device as claimed in claim 27, further comprising a battery for supplying power to the device with sufficient battery life to allow extended use without recharging.

32. (Original) The device as claimed in claim 31, wherein the battery has a life approximately equivalent to at least one week of treatment.

33. (Previously Presented) The device as claimed in claim 27, further comprising a computer readable medium having a storage capacity sufficient to provide a choice, range, or diversity of treatment signals.

34. (Original) The device as claimed in claim 33, wherein the computer readable medium storage capacity is approximately equivalent to 4 hours of the treatment signal.

35. (Previously Presented) The device as claimed in claim 27, further comprising a computer readable medium and a safety locking function for preventing a patient from using the device if the computer readable medium does not contain the patient's treatment signal.

36. (Previously Presented) The device as claimed in claim 27, further comprising coding of the treatment signal, for example by encryption, so as to prevent use of a corrupted or otherwise modified audio signal.

37. (Previously Presented) The device as claimed in claim 27, further comprising a patient identification code in order to allow correct identification of the patient's own device.

38. (Original) The device as claimed in claim 27, further comprising a data downloading function for downloading logged information, wherein the logged information contains information relating to the patient's use of the device.

39. (Original) The device as claimed in claim 38, wherein the data downloading function is performed by at least one of a wired interface, an infrared interface, or a wireless interface.

40. (New) The device as claimed in claim 1, wherein the processor is configured to reset the volume of the treatment signal to a volume that is selected based on a patient profile.

41. (New) The device as claimed in claim 1, wherein the processor is configured to reset the volume of the treatment signal to a volume that is just audible by the patient.

42. (New) The device as claimed in claim 27, wherein the processor is configured to reset the volume of the treatment signal to a volume that is selected based on a patient profile.

43. (New) The device as claimed in claim 27, wherein the processor is configured to reset the volume of the treatment signal to a volume that is just audible by the patient.